

**GOVERNMENT OF INDIA
AGRICULTURE AND FARMERS WELFARE
LOK SABHA**

UNSTARRED QUESTION NO:6072

ANSWERED ON:11.04.2017

Production of Organic Manure

Singh Shri Ravneet

Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) whether excessive use of chemical fertilizers is causing diseases in human and livestock and if so, the details thereof and the response of the Government thereto;
- (b) whether the usage of organic manure/bio-fertilizers has been increased in the country during the last three years and the current year;
- (c) if so, the details of the production and usage of such fertilizers during the said period, State-wise;
- (d) whether the Government has taken any steps to enhance and promote the production of such fertilizers and ensure their availability in the market and if so, the details thereof; and
- (e) the details of per hectare chemical fertilizer usage in the country, State and nutrient-wise?

Answer

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

???? ??? ????? ??????? ????????? ??? ?????? ?????? (SHRI PARSHOTTAM RUPALA)

(a): As such, there is no harmful effect of chemical fertilizers on soil health with balanced and judicious use. However, there is possibility of nitrate contamination in ground water above the permissible limit of 10 mg Nitrate- Nitrogen/per litre due to excessive use of nitrogenous fertilizers including urea particularly in light textured soils that has consequence on human/animal health if used for drinking purpose. The Government is recommending soil test based balanced and integrated nutrient management through conjunctive use of both inorganic and organic sources (manure, bio-fertilizers etc.) of plant nutrients for scientific and judicious use fertilizers. In addition, split application and placement of fertilizers, use of slow releasing nitrogenous fertilizers and nitrification inhibitors, growing leguminous crops and use of Resource Conservation Technologies (RCTs) are also advocated.

(b) & (c): The State-wise details of different organic manures produced / available (lakh MT) and details of different bio-fertilizers produced / available during the last three years(2013-14 to 2015-16) is given at Annexure I, II, III and IV.

(d): Government is promoting the use of Organic manures/ bio-fertilizers under the scheme Paramparagat Krishi Vikas Yojana (PKVY) of National Mission for Sustainable Agriculture (NMSA). The Government is promoting the use of organic inputs in the country, through assistance as under:

Contdâ€"2/-

-2-

(i) Financial assistance is provided under the component Integrated Manure Management of Paramparagat Krishi Vikas Yojana (PKVY) for Phosphate Rich Organic Manure (PROM) as per specification given in FCO, 1985 @Rs.1000/acre for procuring and application of PROM to soil to meet phosphorus/Zinc deficiency in soil.

(ii) Financial Assistance is provided for vermi-compost (size 7'x3'x1') @Rs.5,000/- unit for procurement of earth worms, preparation of pits, construction of brick wall etc.

(iii) Promotion of Organic Inputs under Organic & INM Components of Soil Health Management, assistance is provided for Vermicompost, Bio-fertilizers (Liquid / solid), Waste compost, Herbal extracts etc. including PROM @ 50 % of cost subject to a limit of Rs. 5000/- per ha and maximum Rs.10,000 per beneficiary.

(iv) Government is also promoting the production of organic manures by providing 100% financial assistance to State Governments/ Government Agencies upto a maximum limit of Rs.190.00 lakh per unit and 33% of project cost maximum limited to Rs.63 lakh per unit for individuals/private agencies through NABARD as capital investment for establishment of agro/vegetable waste compost production units of 3000 Total Per Annum (TPA) production capacity.

(v) Under the Rain fed Area Development (RAD) component of NMSA, 50% of cost subject to limit of Rs 125/- per cubic ft. and maximum permissible assistance of Rs.50,000/- per unit for permanent structure and Rs 8,000/- per unit for High Density Polyethylene (HDPE) vermi bed is provided for construction of compost unit and, organic input production unit.

(vi) The Government of India is providing a Market Development Assistance @ Rs.1500/-per metric ton (MT) to Fertilizer Companies for sale of City Compost.

(vii) In order to promote greater use of organic and biofertilizers, Indian Agriculture Research Institute (ICAR) has developed improved and efficient strains of biofertilizers specific to different crops and soil types under Network project on Soil Biodiversity-Biofertilizers. Liquid Biofertilizer technology with higher shelf-life has also been developed. Besides, the Council has developed technology to prepare various types of organic manures such as phosphocompost, vermincompost, bio-enriched compost, municipal solid waste compost, etc. from various organic wastes.

(e): State-wise and nutrient-wise details per hectare chemical fertilizer usage in the country is given at Annexure V.